

IN THE CLAIMS

Please cancel Claims 20-24, and 28-49 without prejudice or disclaimer of the subject matter thereof.

Please add the following new Claims:

50. A method executed in a computer system for processing data comprising:
receiving data representing a visual form of data comprising content data and format data indicating the manner in which the content data is to be visually represented;
identifying at least some of the content data in accordance with a template having an extraction instruction; and
storing the identified content data as at least one tag value.

51. The method of Claim 50, wherein the visual form of data is characterized by at least one of a plurality of dimensions and the extraction instruction includes information with respect to location of a reference marker and a direction in at least one of said plurality of dimensions, and wherein identifying at least some of the content data includes searching in the direction for identifying at least some of the content data in the direction.

52. The method of Claim 50 further comprising:
creating said template.

53. The method of Claim 52, further comprising:
editing said template.

54. The method of Claim 53, wherein said editing said template further comprises:
editing said extraction instruction included in said template.

55. The method of Claim 52, further comprising:
displaying a sample visual form of data;
receiving user location data indicating a location of data selected by a user in the
displayed sample visual form of data; and
forming the extraction instruction based on location data identifying the location of the
data selected by the user.

56. The method of Claim 55, further comprising:
storing the extraction instruction.

57. The method of Claim 56, further comprising:
storing the extraction instruction in association with data representing the sample visual
form of data used during creating said template.

58. The method of Claim 57, wherein storing the identified content data further includes:
storing the identified content data in association with data representing a corresponding
one of a plurality of visual forms of data.

C) 59. The method of Claim 50, further comprising:
normalizing the data representing the visual form of data.

60. The method of Claim 59, further comprising:
translating coordinate references to coordinate references of a display system.

61. The method of Claim 59, further comprising:
scaling text strings in accordance with a display device.

AX 62. The method of Claim 59, further comprising:
joining and splitting text.

63. The method of Claim 50, wherein the extraction instruction locates data in a report area and inserts the data located into a selected tag in association with a report corresponding to the visual form of data.

64. The method of Claim 50, wherein the extraction instruction locates data in a direction relative to a selected reference point in the report and inserts the data located into a selected data in association with a report corresponding to the visual form of data.

65. The method of Claim 50, wherein the extraction instruction determines whether at least one selected word is within a report corresponding to the visual form of data and accordingly sets a boolean tag in association with said report.

C/ 66. The method of Claim 50, wherein the extraction instruction inserts data into a selected tag in association with a report corresponding to the visual form of data based on data included in the report.

Sub B5 67. A method executed in a computer system for processing data comprising:
receiving data representing a visual form of data comprising content data and format data indicating the manner in which the content data is to be visually represented;
applying a template to the visual form of data;
identifying a portion of the content data in accordance with said template, said template including extraction instructions indicating how to extract content data from the visual form of data; and
extracting a tag value for at least one tag identified in said template.

AX 68. The method of Claim 67, further comprising:
applying the template to previously stored data.

69. The method of Claim 67, further comprising:
applying the template to data in connection with a print operation.

70. The method of Claim 67, further comprising:
storing said tag value in association with a report corresponding to said visual form of data.

9

71. The method of Claim 67, wherein the visual form of data is characterized by at least one of a plurality of dimensions and the extraction instruction includes information with respect to location of a reference marker and a direction in at least one of said plurality of dimensions.

and wherein identifying said portion of the content data includes searching in the direction for identifying said portion of the content data in the direction.

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72. The method of Claim 67 further comprising:
creating said template.

73. The method of Claim 72, further comprising:
editing said template.

74. The method of Claim 73, wherein said editing said template further comprises:
editing said extraction instruction included in said template.

75. The method of Claim 73, further comprising:
displaying a sample visual form of data;
receiving user location data indicating a location of data selected by a user in the displayed sample visual form of data; and
forming the extraction instruction based on location data identifying the location of the data selected by the user.

76. The method of Claim 75, further comprising:
storing the extraction instruction.

77. The method of Claim 76, further comprising:
storing the extraction instruction in association with data representing the sample visual
form of data used during creating said template.

78. The method of Claim 77, wherein storing the identified content data further includes:
storing the identified content data in association with data representing a corresponding
one of a plurality of visual forms of data.

79. The method of Claim 67, further comprising:
normalizing the data representing the visual form of data.

80. The method of Claim 79, further comprising:
translating coordinate references to coordinate references of a display system.

81. The method of Claim 79, further comprising:
scaling text strings in accordance with a display device.

82. The method of Claim 79, further comprising:
joining and splitting text.

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83. The method of Claim 67, wherein the extraction instruction locates data in a report area and inserts the data located into a selected tag in association with a report corresponding to the visual form of data.

84. The method of Claim 67, wherein the extraction instruction locates data in a direction relative to a selected reference point in the report and inserts the data located into a selected data in association with a report corresponding to the visual form of data.

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85. The method of Claim 67, wherein the extraction instruction determines whether at least one selected word is within a report corresponding to the visual form of data and accordingly sets a boolean tag in association with said report.

86. The method of Claim 67, wherein the extraction instruction inserts data into a selected tag in association with a report corresponding to the visual form of data based on data included in the report.

Sub B4
87. A system for processing data comprising:
a data receiver that receives data representing a visual form of data comprising content data and format data indicating the manner in which the content data is to be visually displayed;
a template runner that applies a template to said data and identifies a portion of the content data used in generating at least one tag value; and
a database in which said template is stored.

88. The system of Claim 87, further comprising:
a template builder that creates said template and stores said template to said database.

89. The system of Claim 88, wherein said template includes at least one extraction instruction indicating a location of said portion of the content data in accordance with said visual form of data.

90. The system of Claim 89, wherein the visual form of data is characterized by at least one of a plurality of dimensions and the extraction instruction includes information with respect to a location of a reference marker and a direction in one of a plurality of dimensions, and said template runner searches in the direction for identifying said portion of content data in the direction.

91. The system of Claim 90, wherein said template builder is used to edit and review the extraction instructions included in said template.

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92. A computer program product used to process data comprising:

machine executable code that receives data representing a visual form of data comprising content data and format data indicating the manner in which the content data is to be visually represented;

machine executable code that identifies at least some of the content data in accordance with a template having an extraction instruction; and

machine executable code that stores the identified content data as at least one tag value.

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93. A computer program product used to process data in a computer system

comprising:

machine executable code that receives data representing a visual form of data comprising content data and format data indicating the manner in which the content data is to be visually represented;

machine executable code that applies a template to the visual form of data;

machine executable code that identifies a portion of the content data in accordance with said template, said template including extraction instructions indicating how to extract content data from the visual form of data; and

machine executable code that extracts a tag value for at least one tag identified in said template.